

VERSION WITH MARKINGS TO SHOW CHANGES MADE

8. (amended) A replicable recombinant DNA, comprising a replicable expression vector and, operably inserted therein, the isolated DNA according to any one of claims 3 to 6.

11. (amended) A method for screening a ligand which binds to the seven-pass transmembrane receptor protein of claim 1, which comprises:

contacting the protein of claim 1 ~~or 10, or the peptide of claim 2~~, with a sample which is suspected to contain a ligand which binds to said protein or said peptide;

assessing a change occurring in response to a binding of said ligand to said protein or said peptide; and

detecting said ligand by using said change as an index.

12. (amended) A method for screening a substance which inhibits a ligand from binding to the seven-pass transmembrane receptor protein of claim 1, which comprises:

contacting the protein of claim 1 ~~or 10, or the peptide of claim 2~~, with a ligand which binds to said protein or said peptide and a sample which is suspected to contain a substance which inhibits said ligand from binding to said protein or said peptide;

assessing a change occurring in response to a binding of said ligand to said protein or said peptide; and

detecting said substance by using said change as an index.

Claims 23 and 24 have been added.